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TCS-2170-65
5 March 1965

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MEMORANDUM FOR: Chairman, Deployment Working Group, GMAIC

SUBJECT: Request for Description and Mensuration of
Selected Sites at TIMTC

REFERENCE: GMAIC Requirement 10-65
(NPIC Project 11120-5)

1. This memorandum is in response to your requirement which requests description and mensuration of selected sites at the Tyuratam Missile Test Center (TIMTC).

2. For a, b, and c under specific requirements, a short textual description and a line drawing of each launch site has been included. The description is a brief history of the site, the type if applicable, and association with other sites. The line drawings furnish further descriptive details as well as pertinent dimensions. Ditching for possible cable connections to other sites is also shown.

3. Additional information on the launch sites listed in the requirement can be found in the following NPIC reports on Complex G: NPIC/R-85/63, NPIC/R-288/63, NPIC/R-334/63.

25X9

5. The search for additional single silos at Tyuratam was conducted with negative results with the following exception. The function of launch site B-3 has never been accurately determined. Because of poor quality and insufficient cover during the construction period of this site and evidence of an excavation during its construction, the possibility of one or more silos cannot be negated at this site. The search was conducted on Mission [REDACTED] the most recent cloud-free cover of TIMTC.

25X1D

Declass Review by NIMA/DoD.

GROUP 1
EXCLUDED FROM AUTOMATIC
DOWNGRADING AND
DECLASSIFICATION

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J-16443

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6. This project is considered to be complete.

25X1A



Assistant for Photographic Analysis, NPIC

Enclosure:

Description of launch sites
12 line drawings

Distribution:

1-14-OACSI-DA [REDACTED] (w/enc)
15-PAG/NPIC (w/o enc)
16-PAG/NPIC (w/o enc)
17-PAG (w/o enc)
18-CIA/PID (w/enc)
19-OS/NPIC (w/o enc)
20-CSD/NPIC (w/enc)
21-AFNIE-BA [REDACTED]
22-OPNAV 922 [REDACTED]
23-Army/SPAD [REDACTED]
24-DIAXX-3A (w/enc)
25-DIAXX-3C (w/enc)

25X1A

25X1A

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Enclosure to TCS-2170-65

25X1D Launch Site A 3, a road served single silo launch site under construction, is located at 45-54N/63-20E. Construction at this site was first observed on photography of Mission [REDACTED] and can be negated on photography of Mission [REDACTED]

25X1D

25X1D

At this Type III C launch site is an excavation containing a silo measuring 55 by 45 feet with an aperture of about [REDACTED] feet diameter. The site access road approaches the silo from the north but turns to form a roughly circular loop just at the northwest corner of the silo excavation. Just inside the security fence is a building measuring 150 by 40 feet, and just east of the silo is one other building measuring 80 by 35 feet. Other than these buildings, the only other significant items visible within the security fence are several dirt piles and an excavation which measures 120 by 55 feet. A ground scar leads from this launch site to launch site I.

25X1D Launch Site B 2 is located at 45-59N/63-33E and contains a road served single silo launch site under construction. This type III C launch site was first seen in photography of Mission [REDACTED] and can be negated on Mission [REDACTED]

25X1D

As seen on last usable photography, the site consists of an excavation containing a launch silo under construction, a paved looped road which approaches the silo from the north, one building 150 by 50 feet, an earth mounded probable structure, a buried structure or earth mound, and several unidentified structures. The entire launch site is surrounded by a nearly square security fence. Ditching connects this area with launch area B1 and Complex I and ground scarring is visible leading toward the rangehead main road.

Launch Site B 3, located at 46-00N/63-34E is a road served launch site. It was first identified on photography of Mission [REDACTED] and can be negated on Mission [REDACTED]

25X1D

25X1D There are certain general similarities between this area and launch site C 3, particularly in the road pattern, however, the set up of associated buildings differ considerably. In present configuration, the site access road widens to an oval pad-like area which contains a dome-like object 40-50 feet in diameter at or near its center. Directly behind this pad-like area and connected to it by road is a probable arch-roofed building. Forward and to the left, and behind and to the left of the pad-like area are two prepared aprons connected to it by a loop road. Ditching can be seen connecting the forward apron with another ditch which runs at right angles to the long axis of the pad-like area immediately at its rear. An earth mounded building is located forward and to the right of the probable arch-roofed buildings and two buildings are located outboard of the pad-like area.

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TOP SECRET RUFF

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The entire launch site is surrounded by a roughly rectangular security fence. 25X1D

Launch Site G1/G2 is located at 46-04N/62-56E contains two rail served launch pads separated by 985 feet. First seen on photography of Mission [REDACTED] this launch site can be negated on photography of Mission [REDACTED] 25X1D

The two launch pads each have a launch stand served by a 115 foot high gantry which travels on tracks 40 feet wide. Behind pad G1 and connected to it by tracks is an earth mounded building measuring 140 by 80 feet. Behind pad G2 is a missile ready building measuring 125 by 125 feet which is also connected to the pad by rail. Inboard and outboard of each pad is a bunkered building and approximately centrally located between the pads is a rectangular earth mound structure. A building measuring 160 by 45 feet lies about half-way between the two missile ready buildings. Several miscellaneous buildings, earth mounds, ditching, and roads are also visible within this doubly fenced launch site.

25X1D

25X1D

Launch Site G3/G4 is located at 46-04N/62-58E. This rail served launch site was first seen on [REDACTED] and can be negated on [REDACTED] On last usable photography the site contained two rail served launch pads separated by 1,970 feet, 9 large earth mounded buildings, 11 small earth mounded buildings, 5 buried tanks and several buildings of various sizes. Each launch pad is equipped with a flame pit and is served by a gantry 200 feet high which may be moved to the rear of the pad on rails [REDACTED] feet wide. In addition to the rail service directly to the launch pad, two other rail spurs serve the area immediately behind each pad. Several excavations, ditching, and earth mounded probable cables or pipelines are also visible at this launch site. 25X1D

25X1D

25X1D

25X1D

Launch Site G5/G6 is a soft, road served launch site located at 46-05N/62-54E. It was first seen on [REDACTED] and can be negated on Mission [REDACTED]. The site access road enters at a central location and forks to form a double loop road pattern with a common center road. The launch pads, located to the outboard side of each loop, are separated approximately 640 feet, and each contains an unidentified object at or near its center. Each pad is served by a common gantry which is 80 feet high and moves on tracks 35 feet wide. An earth mounded drive in bunker is located to the left and right of the center road and an earth mounded structure is located just left of the center road. Three buildings, 215 by 50 feet, 140 by 40 feet and 60 by 25 feet are located along the access road just inside the double security fencing and an earthen disposal basin is located just outside the fencing slightly forward and to the left of the left pad. Closed ditching connects this disposal basin to the right pad. Closed ditching also connects G5/G6 to launch site G8/G9, G3/G4, G1/G2 and the complex support facility.

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- 2 -

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25X1D

Launch Site G7 is a road served, single silo launch site under construction. It is located at 46-04N/62-56E where it was first seen on photography of Mission [REDACTED] 25X1D
It can be negated on photography of Mission [REDACTED]

Within this type III C launch site can be seen an excavation containing a silo structure which measures approximately 80 by 50 feet. Just south of the silo excavation is another excavation containing a building 70 by 50 feet which is the center component of an "L" shaped electronic facility under construction. Legs of this electronic facility measure 1,310 feet each. A building measuring 145 by 30 feet is located along the access road just inside the double security fencing.

25X1D

Launch Site G8/G9 is a road served type III D launch site in late stage of construction. It is located at 46-04N/62-57E where it was first identified on Mission [REDACTED] Mission [REDACTED] provides negation coverage of this same area.

25X1D

25X1D

The site access road enters the site and forms a loop road. Two silos, separated by 385 feet, are located to the left side of each leg of the loop road. Inside diameters of the silos range from [REDACTED] feet. Three buildings 210 by 50 feet, 140 by 40 feet and 60 by 20 feet are located along the access road just inside the security fence. Five earth mounded buildings are also visible at various points around the loop road.

25X1D

Launch Site I is a road served, single silo launch site under construction. It is located at 45-56N/63-26E. This type IIIC launch site was first seen on [REDACTED] and can be negated on Mission [REDACTED] 25X1D

25X1D

As seen on the last usable photography, the site consists of a silo excavation, which contains a silo measuring 55 by 45 feet with aperture approximately [REDACTED] feet in diameter. South of this excavation is another excavation which contains a building 115 by 60 feet which appears to be the center component of an "L" shaped electronics facility under construction. One leg of this facility is 1,420 feet long and the other is 1,320 feet long. The site access road enters the doubly fenced launch site from the west and loops to the north where it approaches the silo from the NNE. A prepared surface apron adjoins the silo excavation on the north side. Ditching connects launch site I with launch sites A 3 and B 2. Several buildings and a number of earth mounds are also visible in and around the launch site.

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25X1D

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25X1D

Launch Complex K is located at 46-02N/63-03E and consists of two separately fenced launch sites. Launch sites K 1 and K 2 are enclosed by a common security fence and are both type III C sites under construction. They were first seen on photography of Mission [REDACTED] and can be negated on Mission [REDACTED]. Launch site K 3 is a type III D launch site under construction. It was first seen on Mission [REDACTED] and can be negated on Mission [REDACTED].

25X1D

25X1D

25X1D

Launch Sites K 1 and K 2 both consist of excavations which contain a silo measuring 60 by 55 feet with apertures approximately [REDACTED] feet in diameter. A prepared apron is located immediately north of the excavation at K 1 and a similar apron is under construction just north of the excavation at K 2. A flat top earth mound is situated just south of each excavation. A building measuring 160 by 35 feet lies along the access road just inside the security fence and ditching from various points at K 1 and K2 interconnect and leave the area toward launch site G 7.

Launch Site K 3 which appears to be in a late stage of construction, consists of a silo, a possible earth mounded structure adjoining the silo and an "L" shaped electronic facility with legs measuring 1,360 and 1,300 feet. At the extremities of each leg is what appears to be antenna silos. The entire launch site is surrounded by a double security fence.

25X1D

25X1D

A revetted storage area is located approximately 2 nautical miles (nm) west of the complex G support facility at 46-03N/62-53E. It was first seen on photography of Mission [REDACTED] and can be negated on Mission [REDACTED].

25X1D

25X1D

25X1D

On coverage of [REDACTED] four revetted storage buildings are visible with two others under construction. By Mission [REDACTED] this doubly fenced secured area consists of 9 revetted storage sites and one unidentified small building. Just outside the fence to the north are three buildings, including a possible communication site, and a probable bunkered building.

25X1D

25X1D

25X1D

An area of unidentified construction is located at 46-03N/62-51E, approximately 3.5 nm west of the support facility at launch complex G. This activity was first identified on [REDACTED] and can be negated on photography of [REDACTED]. As seen on coverage of Mission [REDACTED] there are 11 buildings in various stages of construction, several rough excavations, and one other excavation with three apparently different levels which may be part of one building foundation. At this early stage of construction, it is not yet possible to assign a function.

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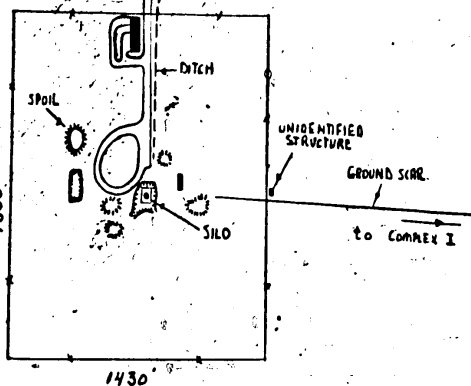
J-16493

TSR

LAUNCH SITE A3
TOURATIM MISSILE TEST CENTER, USSR
45-54 N 63-20 E

RAIL EMBANKMENT
(CONSTRUCTION ABANDONED)

COMPLEX SUPPORT



BLACK TOPPED ROAD
IMPROVED ROAD
FENCE
EARTH MOUND
EXCAVATION

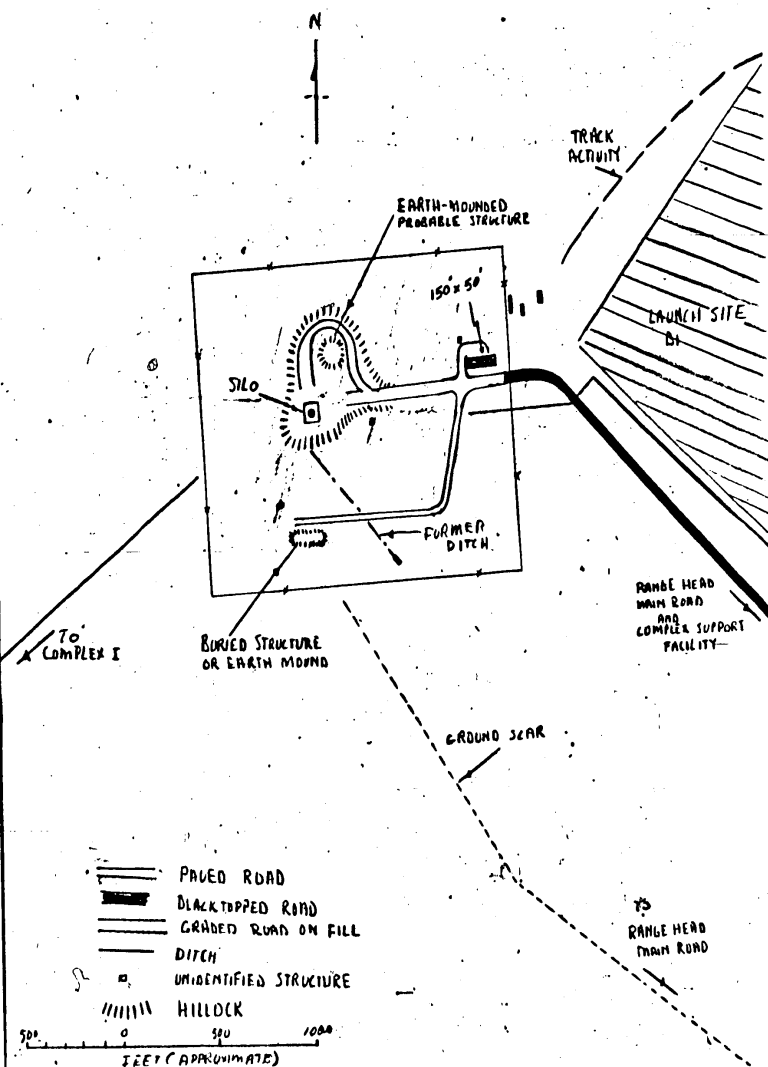
500 0 500 1000
FEET (APPROXIMATE)

SILO 55' x 45'
SILO APERTURE
1 BUILDING 150' x 40'
1 BUILDING 80' x 35'
EXCAVATION 120' x 55'

25X1D

J-1643

LAUNCH SITE B2
 TTMC
 45.59N-63-33E



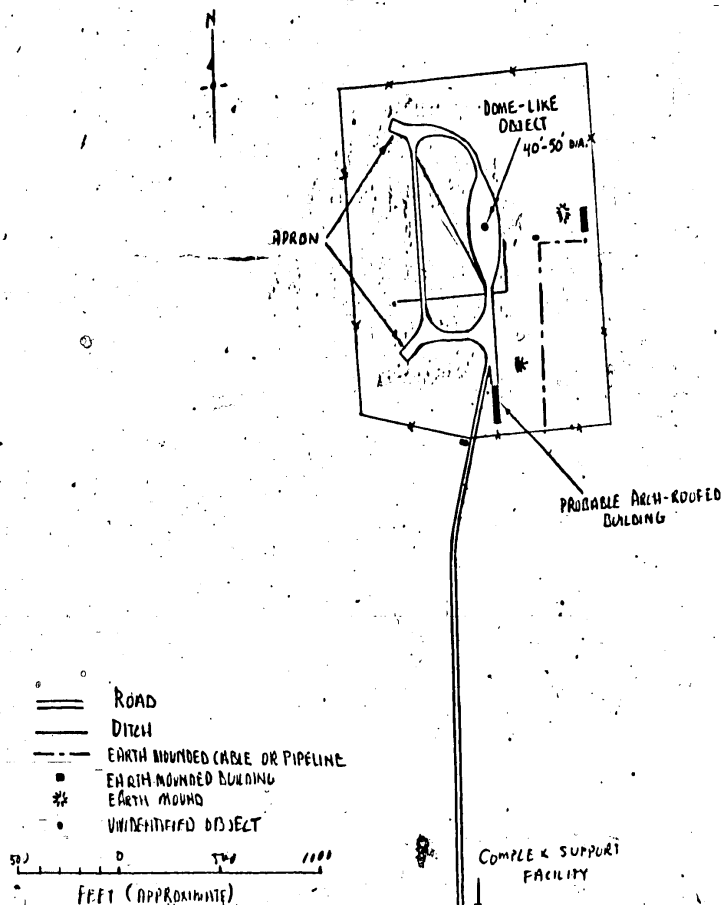
J-16443

LAUNCH SITE B3

LAUNCH COMPLEX
B

T.T.M.T.C., USSR

46-00 N 63-34 E

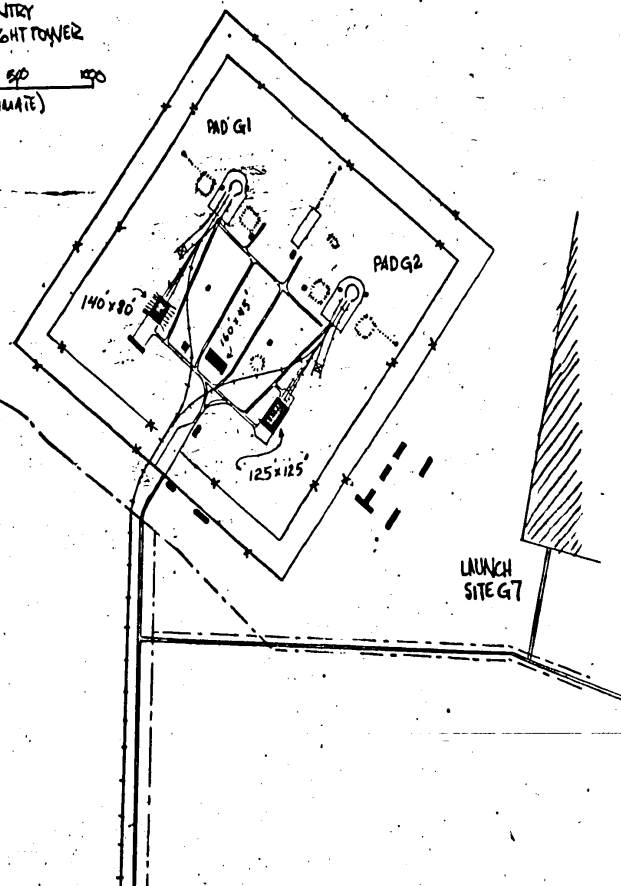


RAILROAD
ROAD
FENCE
PROBABLE ENTRANCE CONDUIT
EARTH-MOUNDED PROBABLE CABLE
EARTH MOUND
EARTH BANKED BUILDING
MISSILE GANTRY
PROBABLE LIGHT TOWER

800 0 800 1600
FEET (APPROXIMATE)

PAD SEPARATION 985
READY Bldg to Pads 785
GANTRYS 115 h
GANTRY TRACKS 40 w

LAUNCH SITE G1/2
TTMTC, USSR
4604 N 6256 E

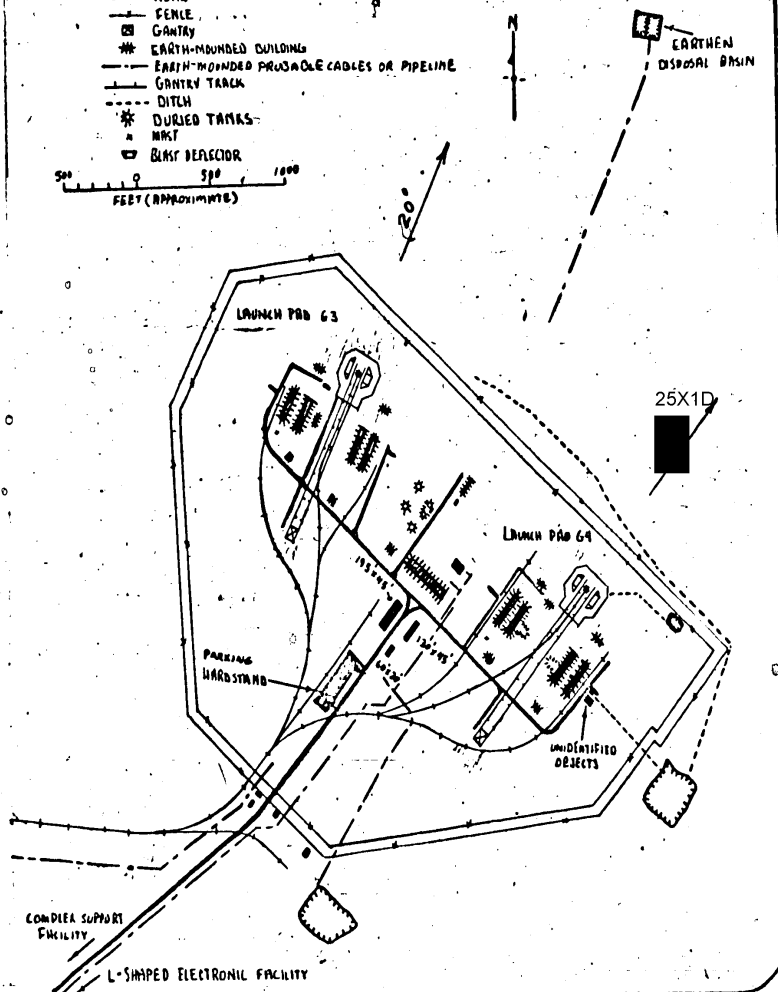


J-10442

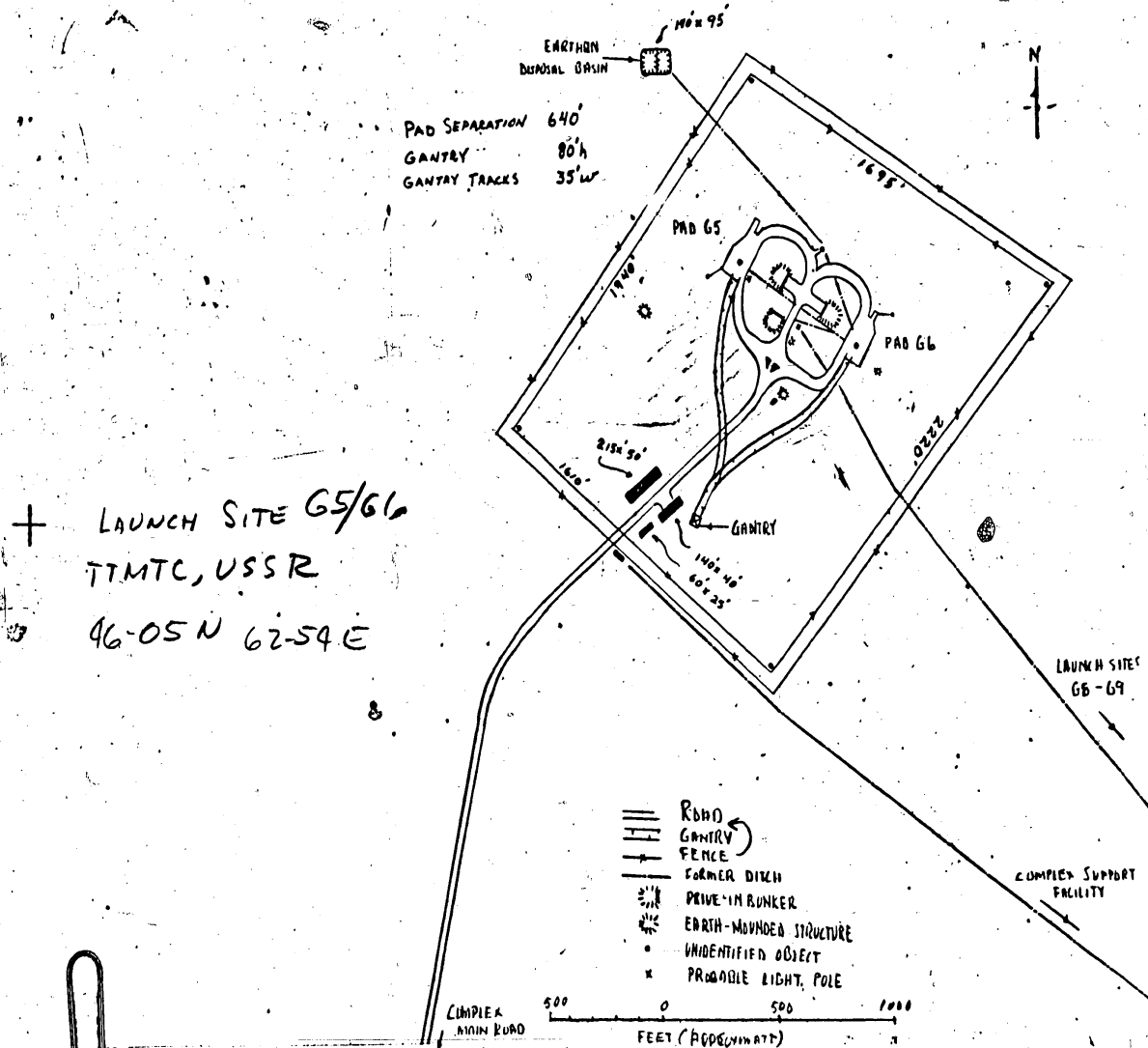
7366
LAUNCH SITE
G3/G4
TTMTC.
4604N/6258E

PAD SEPARATION 1970'
GANTRY 200'h
GANTRY TRACKS
25X1D

- EXCAVATION
 - RAILROAD
 - ROAD
 - FENCE
 - GANTRY
 - EARTH-MOUNDED BUILDING
 - EARTH-MOUNDED PROBABLE CABLES OR PIPELINE
 - GANTRY TRACK
 - DITCH
 - DURIED TANKS
 - WWT
 - BLIST REFLECTOR
- 500 500 1000
FEET (APPROXIMATE)



J-1643



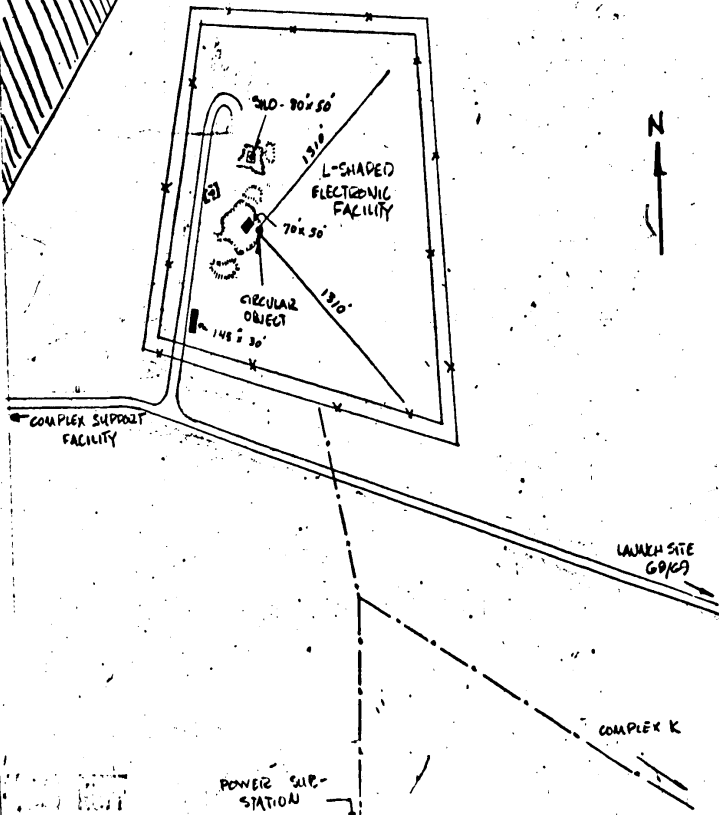
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LAUNCH SITE G1/G2

- ROAD
- FENCE
- DITCH
- EXCAVATION
- EARTH MOUND
- FORMER DITCH

500 0 1000
FEET (APPROXIMATE)

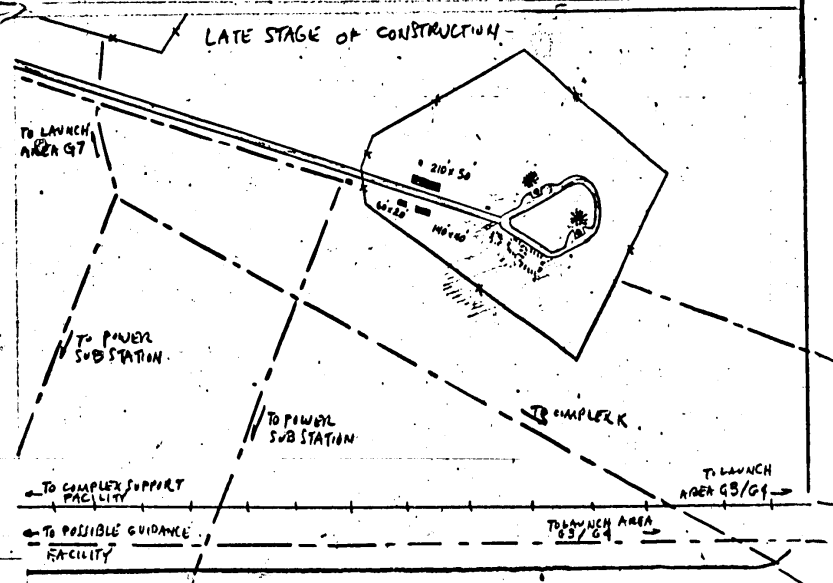
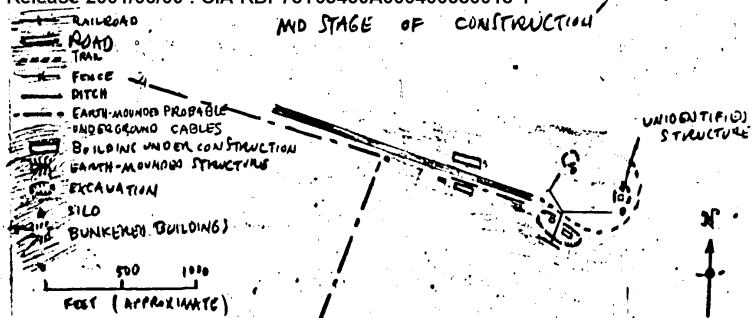
LAUNCH SITE G7
TTMTC
USSR
46-04N 62-56E



3-16473

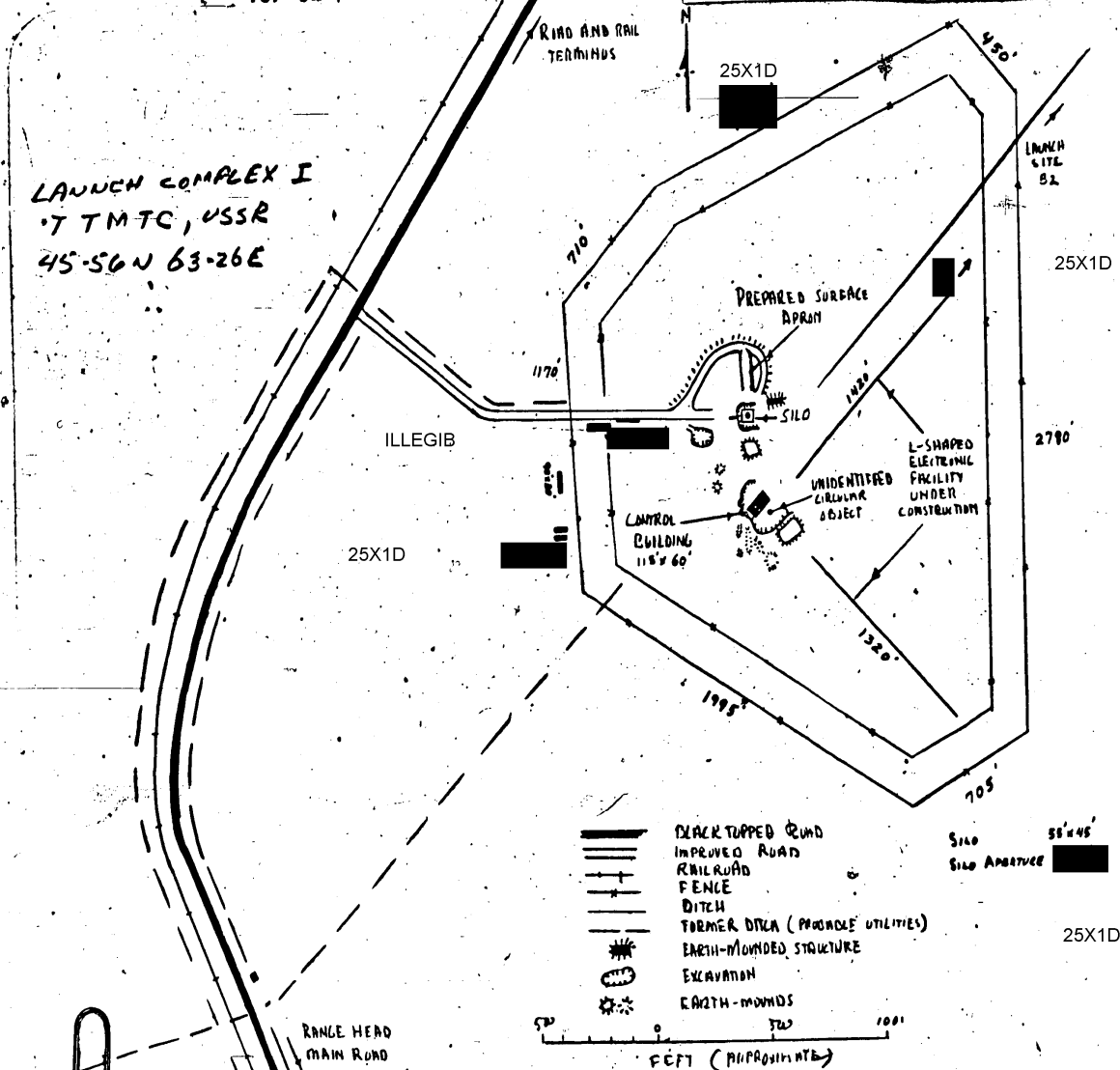
LAUNCH SITE
G8/G9

TYURATAM
MISSILE
TEST
CENTER
46-04N
62-57E



3-16443

LAUNCH COMPLEX I
 IT TMTG, USSR
 45-56N 63-26E

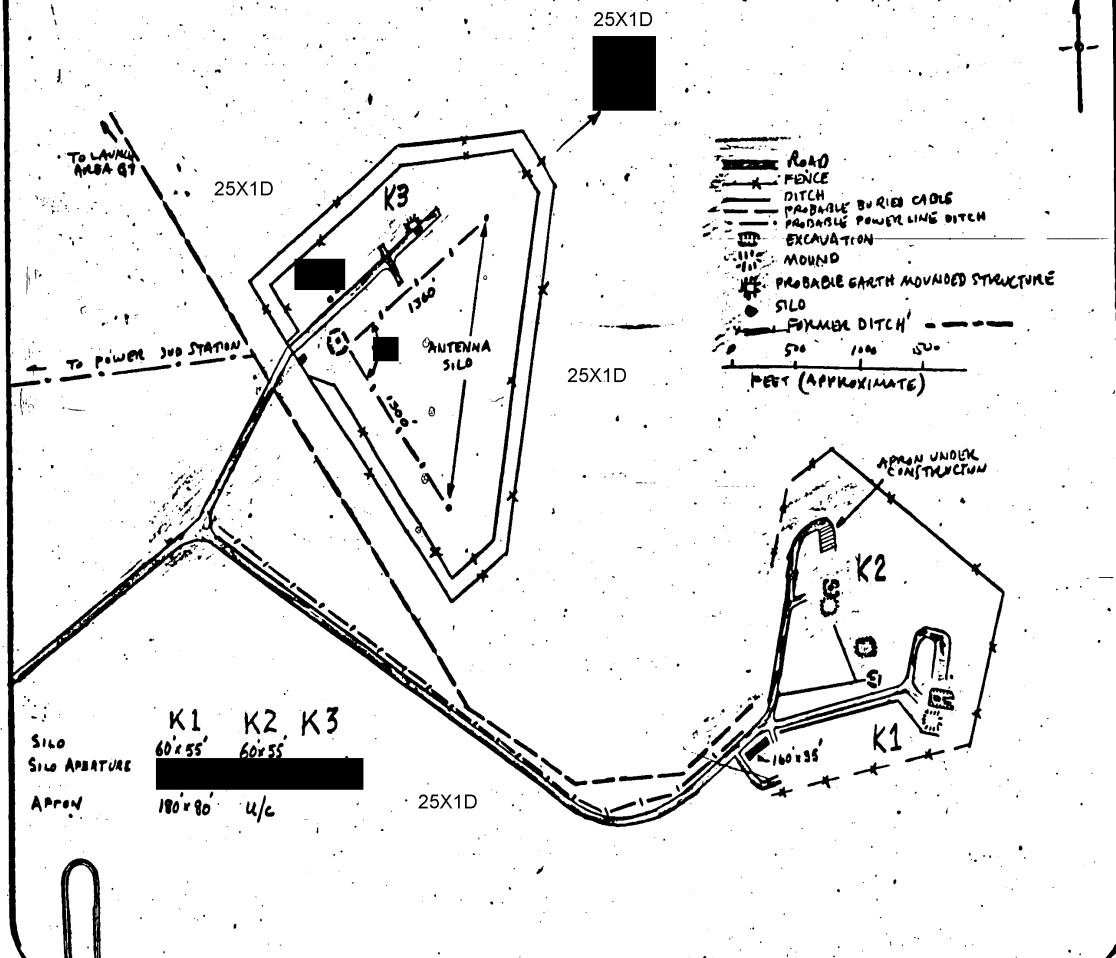


J-15443

LAUNCH COMPLEX K

T T MISSILE TEST CENTER

46-02 N 63-03 E

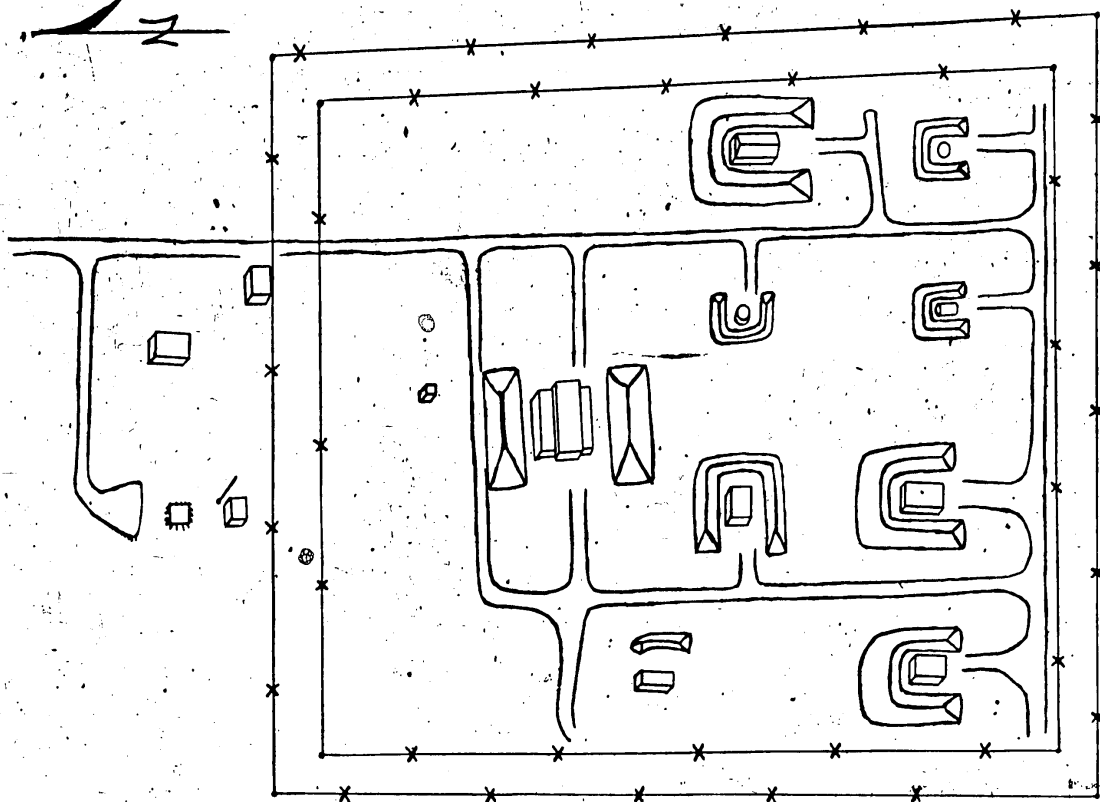


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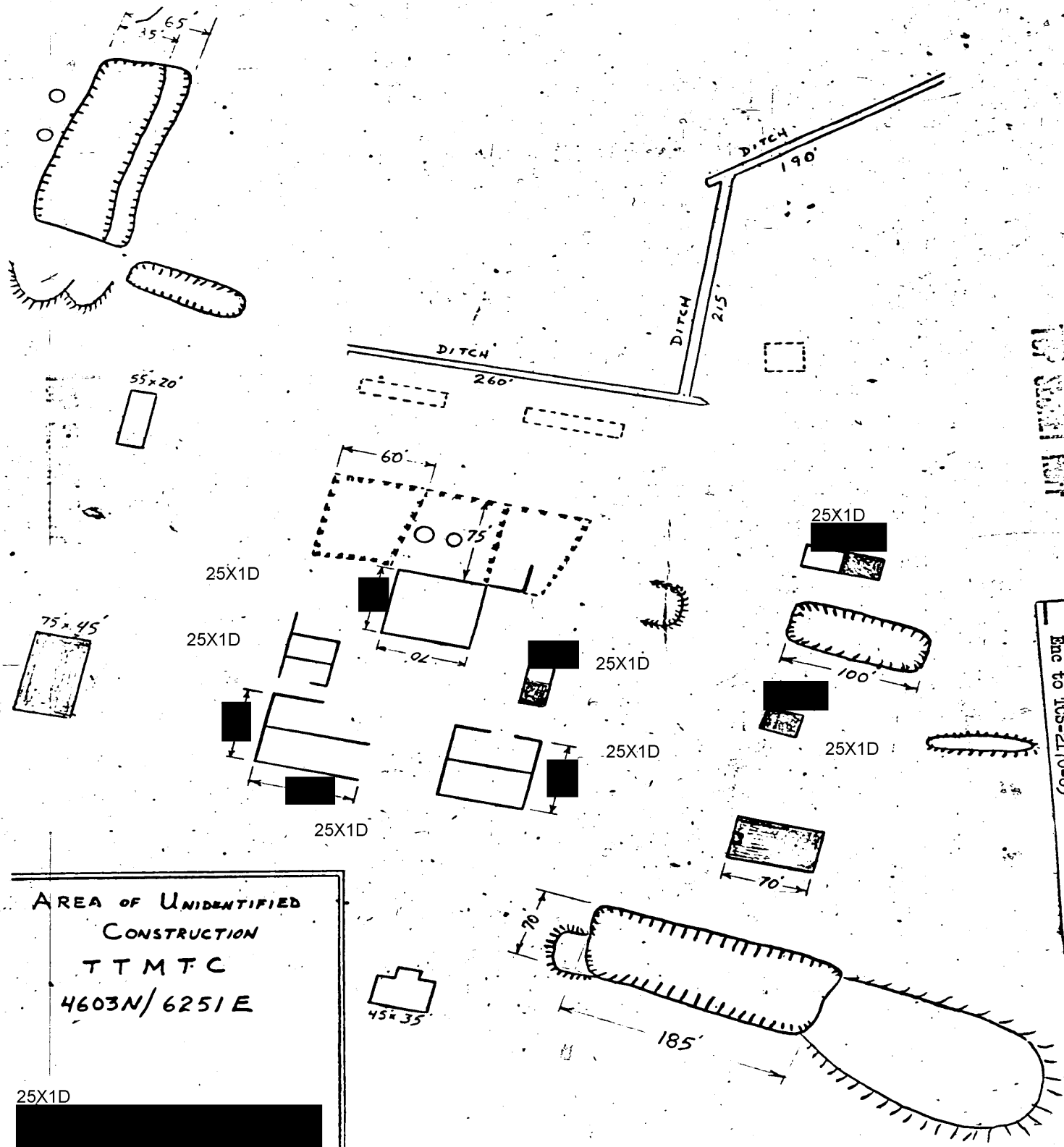
REvetted STORAGE AREA

TTMTC

4603N/6253E

TOP SECRET ROFF

5-1643



FOR SCHEMATIC

Due to TCS-2170-65

AREA OF UNIDENTIFIED
CONSTRUCTION
TT MTC
4603N/6251E

25X1D

J-1649-3